ML Classroom

[Classwork for ML and DL Projects (google.com)](https://classroom.google.com/w/NDk1NDgwMjY5NzM1/t/all)

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DATA DEFINITION

| **Name** | **Description** |  |
| --- | --- | --- |
| AGE | Numerical Value | Discrete |
| ATTRITION | Employee leaving the company (0=no, 1=yes) | Categorical |
| BUSINESS TRAVEL | (1=No Travel, 2=Travel Frequently, 3=Tavel Rarely) | Categorical |
| DAILY RATE | Numerical Value - Salary Level | Continuous |
| DEPARTMENT | (1=HR, 2=R&D, 3=Sales) | Categorical |
| DISTANCE FROM HOME | Numerical Value - THE DISTANCE FROM WORK TO HOME | Continuous |
| EDUCATION | Numerical Value | Discrete |
| EDUCATION FIELD | (1=HR, 2=LIFE SCIENCES, 3=MARKETING, 4=MEDICAL SCIENCES, 5=OTHERS, 6= TEHCNICAL) | Categorical |
| EMPLOYEE COUNT | Numerical Value | Discrete |
| EMPLOYEE NUMBER | Numerical Value - EMPLOYEE ID | Categorical |
| ENVIROMENT SATISFACTION | Numerical Value - SATISFACTION WITH THE ENVIROMENT | Discrete |
| GENDER | (1=FEMALE, 2=MALE) | Categorical |
| HOURLY RATE | Numerical Value - HOURLY SALARY | Continuous |
| JOB INVOLVEMENT | Numerical Value - JOB INVOLVEMENT | Discrete |
| JOB LEVEL | Numerical Value - LEVEL OF JOB | Discrete |
| JOB ROLE | (1=HC REP, 2=HR, 3=LAB TECHNICIAN, 4=MANAGER, 5= MANAGING DIRECTOR, 6= REASEARCH DIRECTOR, 7= RESEARCH SCIENTIST, 8=SALES EXECUTIEVE, 9= SALES REPRESENTATIVE) | Categorical |
| JOB SATISFACTION | Numerical Value - SATISFACTION WITH THE JOB | Discrete |
| MARITAL STATUS | (1=DIVORCED, 2=MARRIED, 3=SINGLE) | Categorical |
| MONTHLY INCOME | Numerical Value - MONTHLY SALARY | Continuous |
| MONTHY RATE | Numerical Value - MONTHY RATE | Continuous |
| NUMCOMPANIES WORKED | Numerical Value - NO. OF COMPANIES WORKED AT | Discrete |
| OVER 18 | (1=YES, 2=NO) | Categorical |
| OVERTIME | (1=NO, 2=YES) | Categorical |
| PERCENT SALARY HIKE | Numerical Value - PERCENTAGE INCREASE IN SALARY. The parentage of change in salary between 2 year (2017, 2018). | Continuous |
| PERFORMANCE RATING | Numerical Value - ERFORMANCE RATING | Discrete |
| RELATIONS SATISFACTION | Numerical Value - RELATIONS SATISFACTION | Discrete |
| STANDARD HOURS | Numerical Value - STANDARD HOURS | Continuous |
| STOCK OPTIONS LEVEL | Numerical Value - STOCK OPTIONS. How much company stocks you own from this company | Discrete |
| TOTAL WORKING YEARS | Numerical Value - TOTAL YEARS WORKED | Continuous |
| TRAINING TIMES LAST YEAR | Numerical Value - HOURS SPENT TRAINING | Continuous |
| WORK LIFE BALANCE | Numerical Value - TIME SPENT BEWTWEEN WORK AND OUTSIDE | Discrete |
| YEARS AT COMPANY | Numerical Value - TOTAL NUMBER OF YEARS AT THE COMPNAY | Continuous |
| YEARS IN CURRENT ROLE | Numerical Value -YEARS IN CURRENT ROLE | Continuous |
| YEARS SINCE LAST PROMOTION | Numerical Value - LAST PROMOTION | Continuous |
| YEARS WITH CURRENT MANAGER | Numerical Value - YEARS SPENT WITH CURRENT MANAGER | Continuous |